Local Calls - Interswitch

6. AT&T (UNE) Originating and AIT Terminating
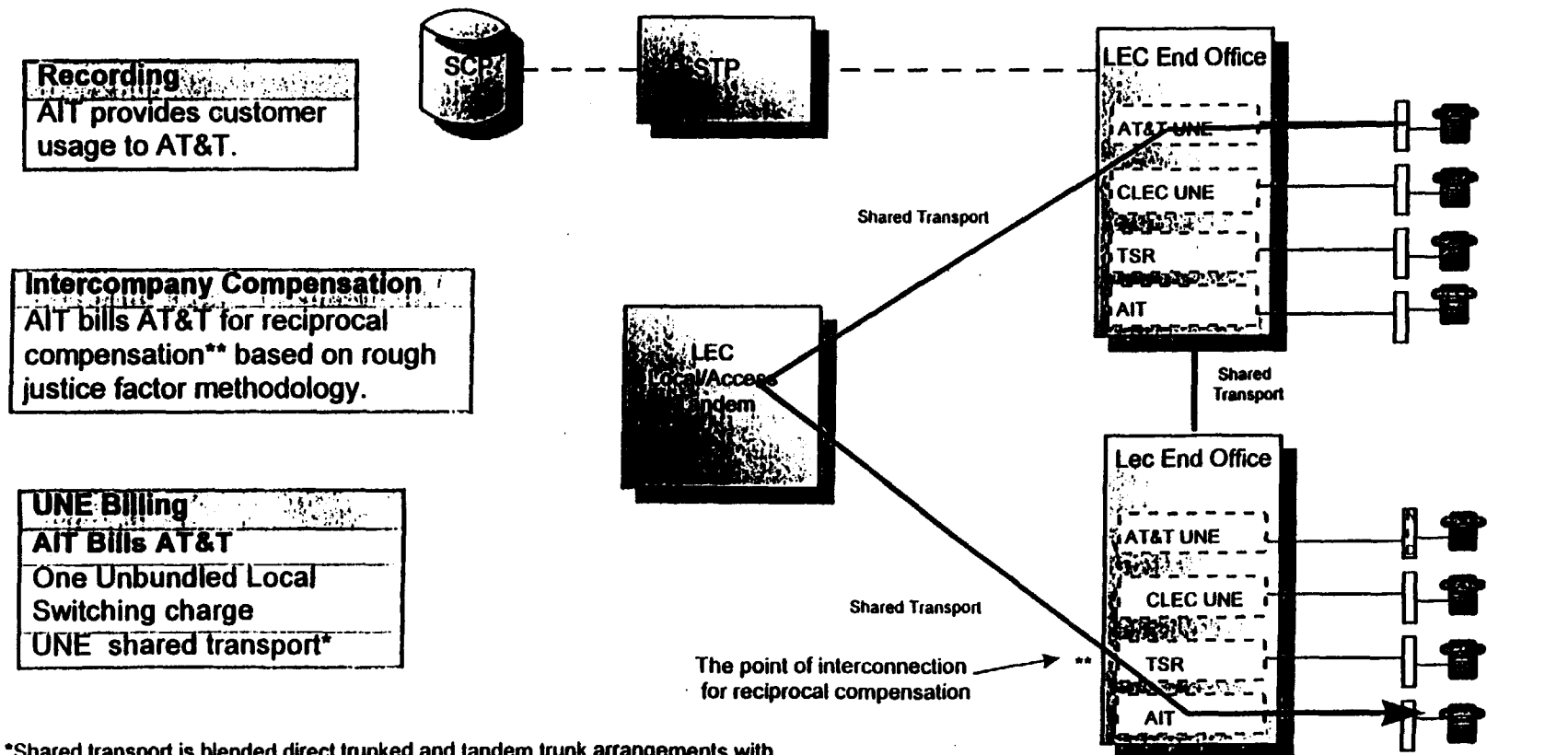
Recording
AIT provides customer usage to AT&T.

Intercompany Compensation
AIT bills AT&T for reciprocal compensation** based on rough justice factor methodology.

UNE Billing
AIT Bills AT&T
One Unbundled Local Switching charge
UNE shared transport*

SCP --- STP --- LEC End Office

AT&T UNE
CLEC UNE
TSR
AIT

Shared Transport

LEC Local/Access Tandem

Shared Transport

Lec End Office

AT&T UNE
CLEC UNE
TSR
AIT

Shared Transport

The point of interconnection **
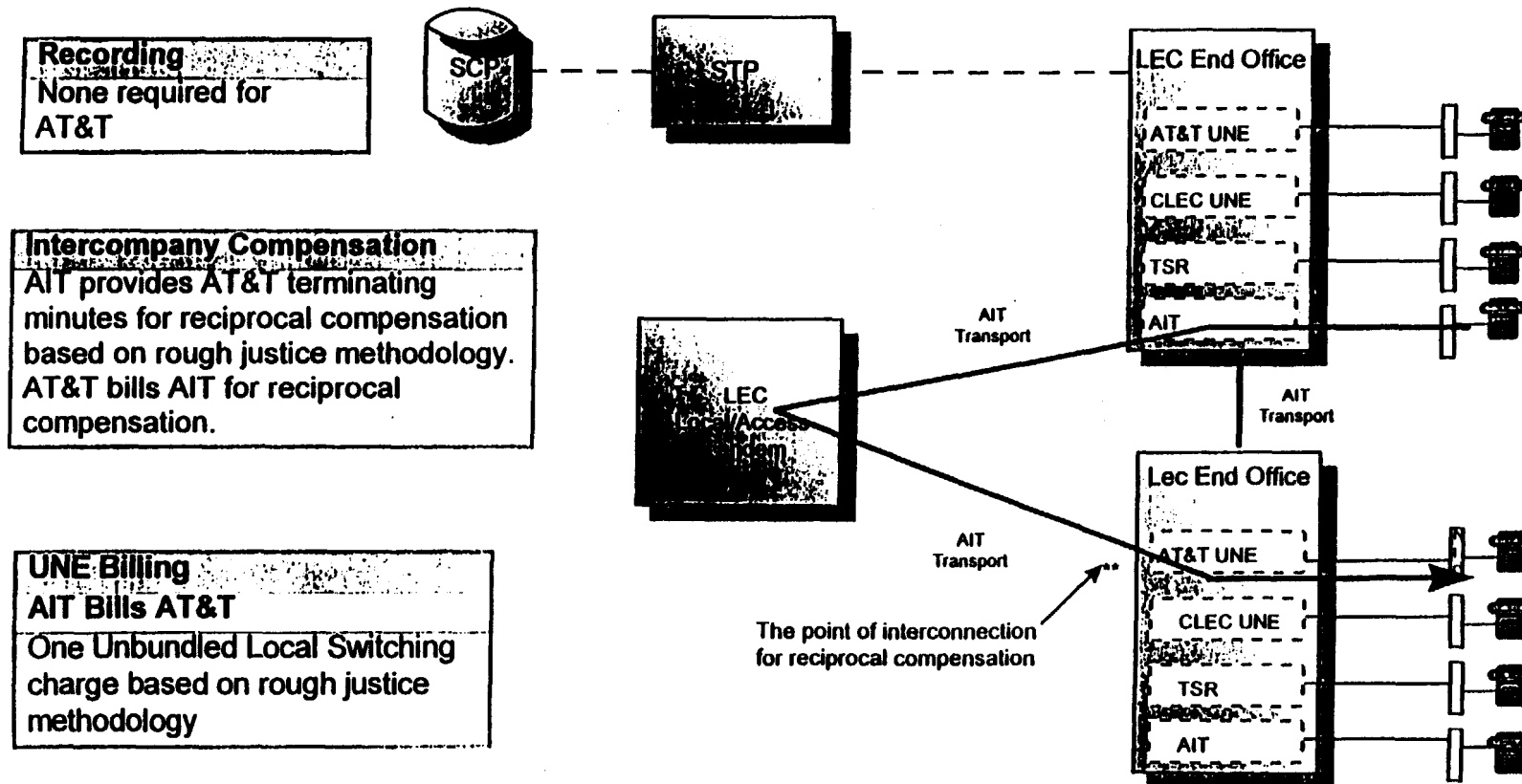for reciprocal compensation

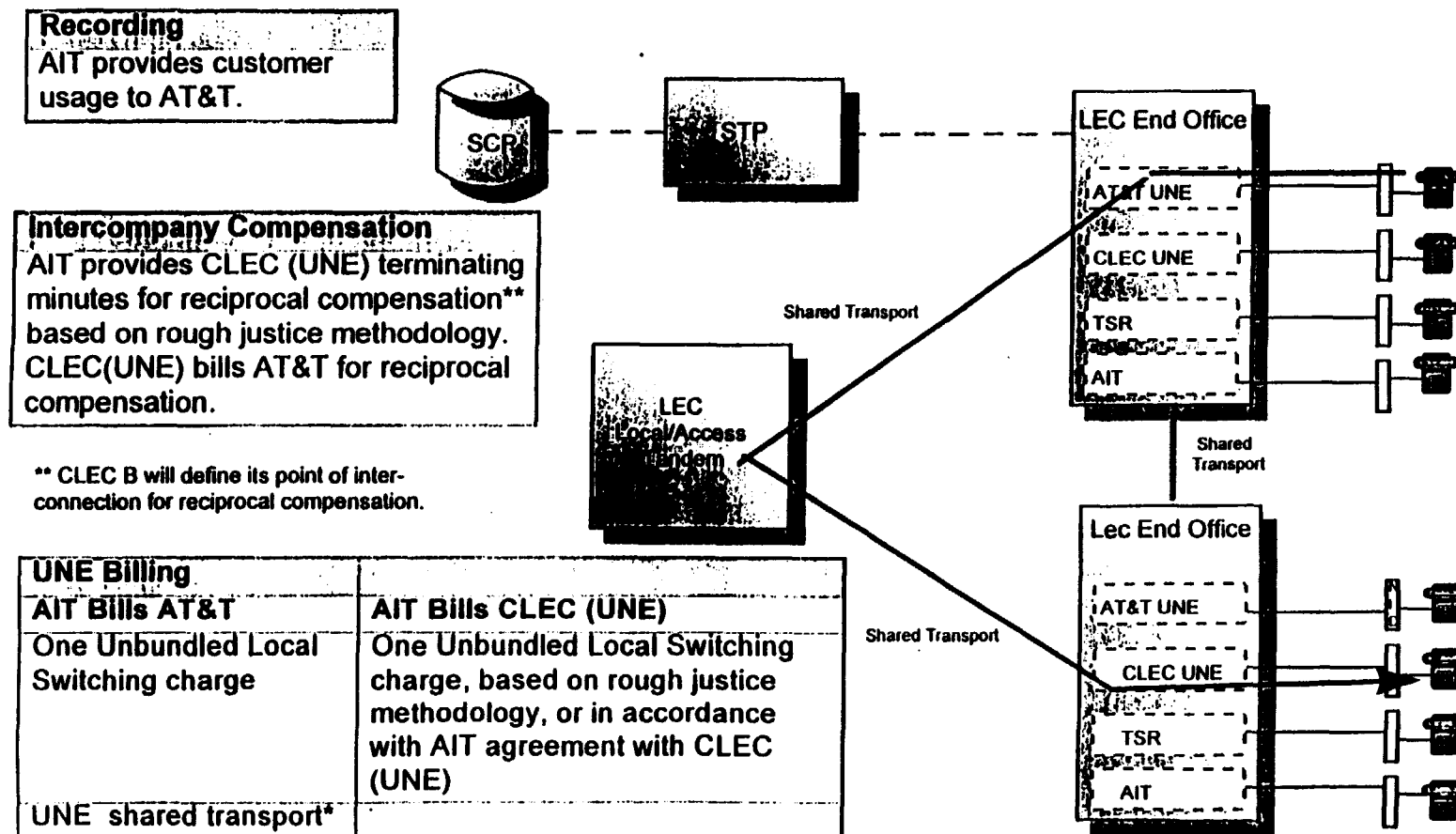*Shared transport is blended direct trunked and tandem trunk arrangements with tandem switching included. This picture shows the call routed through the tandem. Alternatively, it might be routed directly from one end office to the other.

7/1/97
C. Rhodes

Local Calls - Interswitch

7. AIT Originating and AT&T (UNE) Terminating

Recording
None required for
AT&T

Intercompany Compensation
AIT provides AT&T terminating
minutes for reciprocal compensation
based on rough justice methodology.
AT&T bills AIT for reciprocal
compensation.

UNE Billing
AIT Bills AT&T
One Unbundled Local Switching
charge based on rough justice
methodology

SCP

STP

LEC End Office
AT&T UNE
CLEC UNE
TSR
AIT

LEC
Local/Access
Tandem

AIT
Transport

AIT
Transport

AIT
Transport

Lec End Office
AT&T UNE
CLEC UNE
TSR
AIT

The point of interconnection
for reciprocal compensation

This picture shows the call routed through the tandem. Alternatively, it might be
routed directly from one end office to the other.

7/1/97
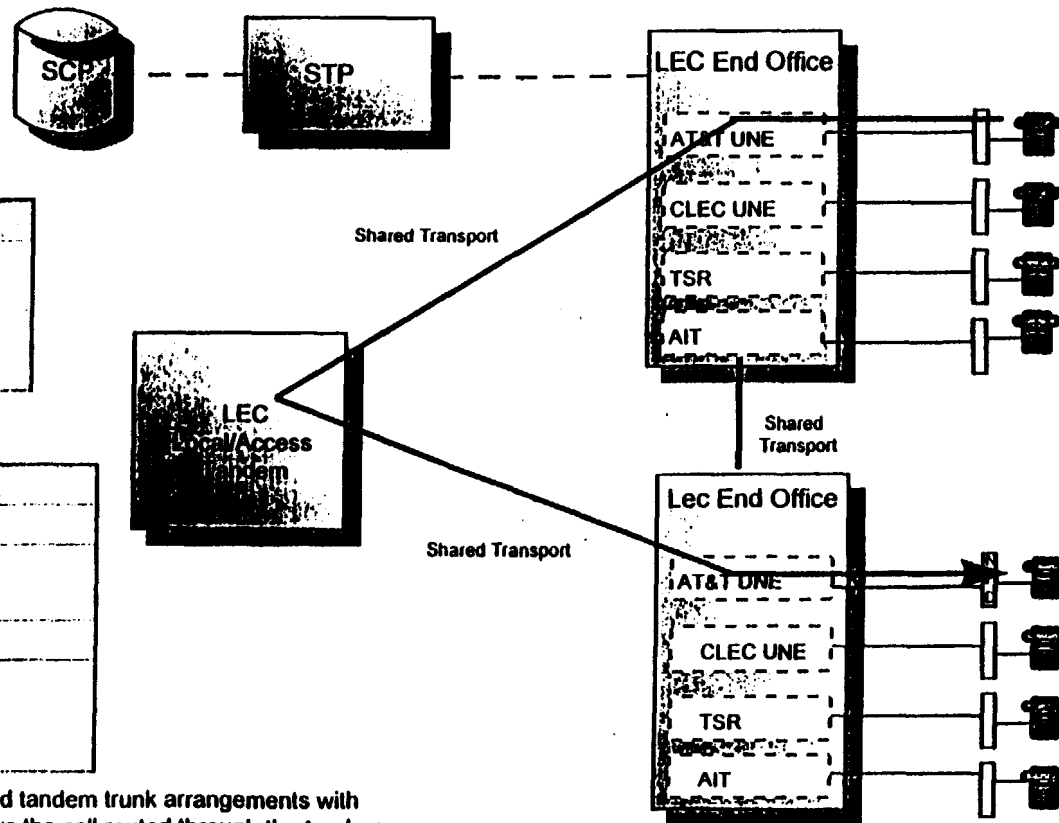C. Rhodes

Local Calls - Interswitch

8. AT&T (UNE) Originating and CLEC (UNE) Terminating

Recording
AIT provides customer usage to AT&T.

Intercompany Compensation
AIT provides CLEC (UNE) terminating minutes for reciprocal compensation** based on rough justice methodology. CLEC(UNE) bills AT&T for reciprocal compensation.

** CLEC B will define its point of interconnection for reciprocal compensation.

SCP

STP

LEC End Office
- AT&T UNE
- CLEC UNE
- TSR
- AIT

Shared Transport

LEC Local/Access Tandem

Shared Transport

Lec End Office
- AT&T UNE
- CLEC UNE
- TSR
- AIT

Shared Transport

UNE Billing	
AIT Bills AT&T	AIT Bills CLEC (UNE)
One Unbundled Local Switching charge	One Unbundled Local Switching charge, based on rough justice methodology, or in accordance with AIT agreement with CLEC (UNE)
UNE shared transport*	

*Shared transport is blended direct trunked and tandem trunk arrangements with tandem switching included. This picture shows the call routed through the tandem. Alternatively, it might be routed directly from one end office to the other.

7/1/97
C. Rhodes

Local Calls - Interswitch

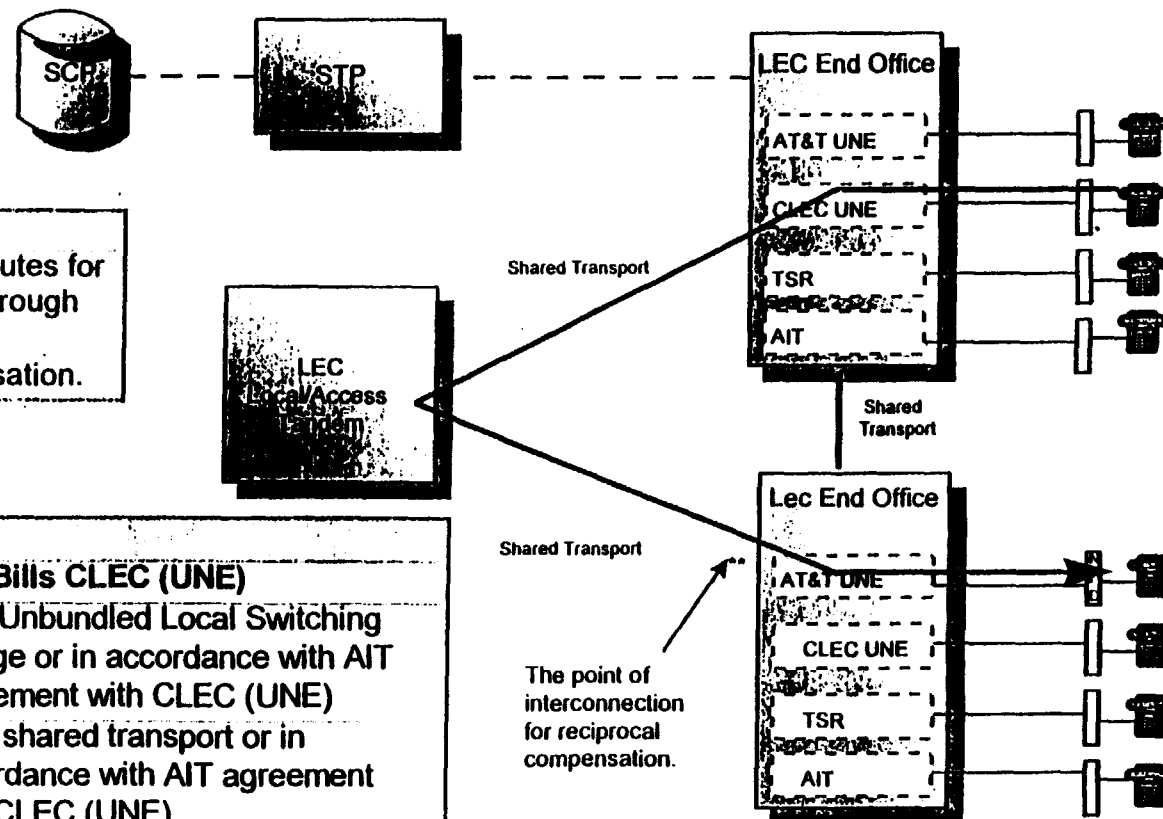## 9. AT&T (UNE) Originating and AT&T (UNE) Terminating

Recording
AIT provides customer usage to AT&T.

Intercompany Compensation
AIT provides AT&T terminating minutes for reciprocal compensation based on rough justice methodology.

UNE Billing
AIT Bills AT&T
One Unbundled Local Switching charge
UNE shared transport*
One Unbundled Local Switching charge based on rough justice methodology

SCP

STP

LEC End Office
AT&T UNE
CLEC UNE
TSR
AIT

Shared Transport

LEC Local/Access Tandem

Shared Transport

Shared Transport

Lec End Office
AT&T UNE
CLEC UNE
TSR
AIT

*Shared transport is blended direct trunked and tandem trunk arrangements with tandem switching included. This picture shows the call routed through the tandem. Alternatively, it might be routed directly from one end office to the other.

7/1/97
C. Rhodes

Local Calls - Interswitch

10. CLEC (UNE) Originating and AT&T (UNE) Terminating

Recording
AIT provides customer usage to CLEC (UNE).

SCP - - - STP - - - - - - - - - - LEC End Office

Intercompany Compensation
AIT provides AT&T terminating minutes for reciprocal compensation based on rough justice methodology. AT&T bills CLEC(UNE) for reciprocal compensation.

LEC Local/Access Tandem

AT&T UNE
CLEC UNE
TSR
AIT

Shared Transport

Shared Transport

Lec End Office

AT&T UNE
CLEC UNE
TSR
AIT

Shared Transport

The point of interconnection for reciprocal compensation.

UNE Billing	
AIT Bills AT&T	AIT Bills CLEC (UNE)
One Unbundled Local Switching charge based on rough justice methodology	One Unbundled Local Switching charge or in accordance with AIT agreement with CLEC (UNE) UNE shared transport or in accordance with AIT agreement with CLEC (UNE)

*Shared transport is blended direct trunked and tandem trunk arrangements with tandem switching included. This picture shows the call routed through the tandem. Alternatively, it might be routed directly from one end office to the other.

7/1/97
C. Rhodes

Local Calls - Interswitch

11. CLEC (TSR) Originating and AT&T (UNE) Terminating

Recording
AIT provides customer usage to CLEC (TSR)
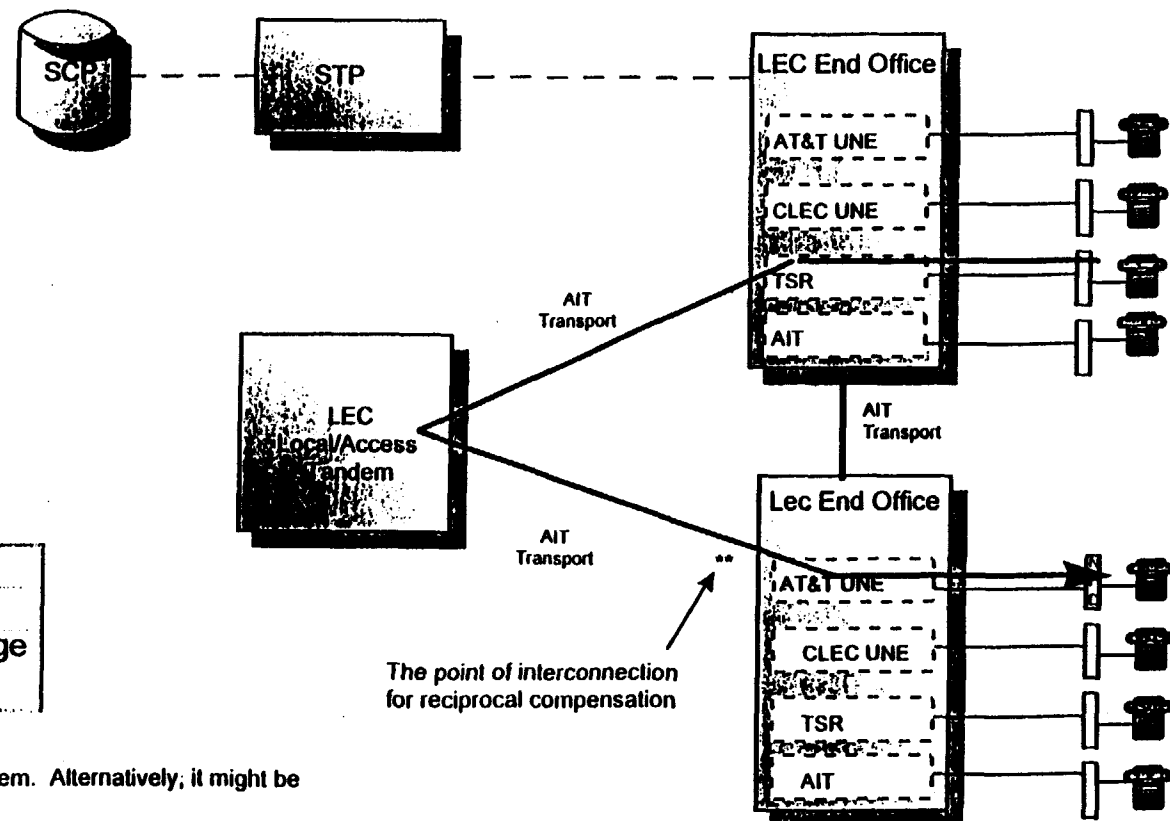
Intercompany Compensation
AIT provides AT&T terminating minutes for reciprocal compensation based on rough justice methodology. AT&T bills AIT for reciprocal compensation.

UNE Billing
AIT Bills AT&T
One Unbundled Local Switching charge based on rough justice methodology

This picture shows the call routed through the tandem. Alternatively; it might be routed directly from one end office to the other.

SCP

STP

LEC Local/Access Tandem

AIT Transport

AIT Transport

AIT Transport

LEC End Office
- AT&T UNE
- CLEC UNE
- TSR
- AIT

Lec End Office
- AT&T UNE
- CLEC UNE
- TSR
- AIT

The point of interconnection for reciprocal compensation

7/1/97
C. Rhodes

Local Calls - Interswitch

12. AT&T (UNE) Originating and CLEC (TSR) Terminating

Recording
AIT provides customer usage to AT&T.

Intercompany Compensation
AIT bills AT&T for reciprocal compensation based on rough justice factor methodology.

UNE Billing
AIT Bills AT&T
One Unbundled Local Switching charge
UNE shared transport*

SCP

STP

LEC End Office
AT&T UNE
CLEC UNE
TSR
AIT

Shared Transport

LEC Local/Access Tandem

Shared Transport

Lec End Office
AT&T UNE
CLEC UNE
TSR
AIT

Shared Transport

The point of interconnection for reciprocal compensation

*Shared transport is blended direct trunked and tandem trunk arrangements with tandem switching included. This picture shows the call routed through the tandem. Alternatively, it might be routed directly from one end office to the other.
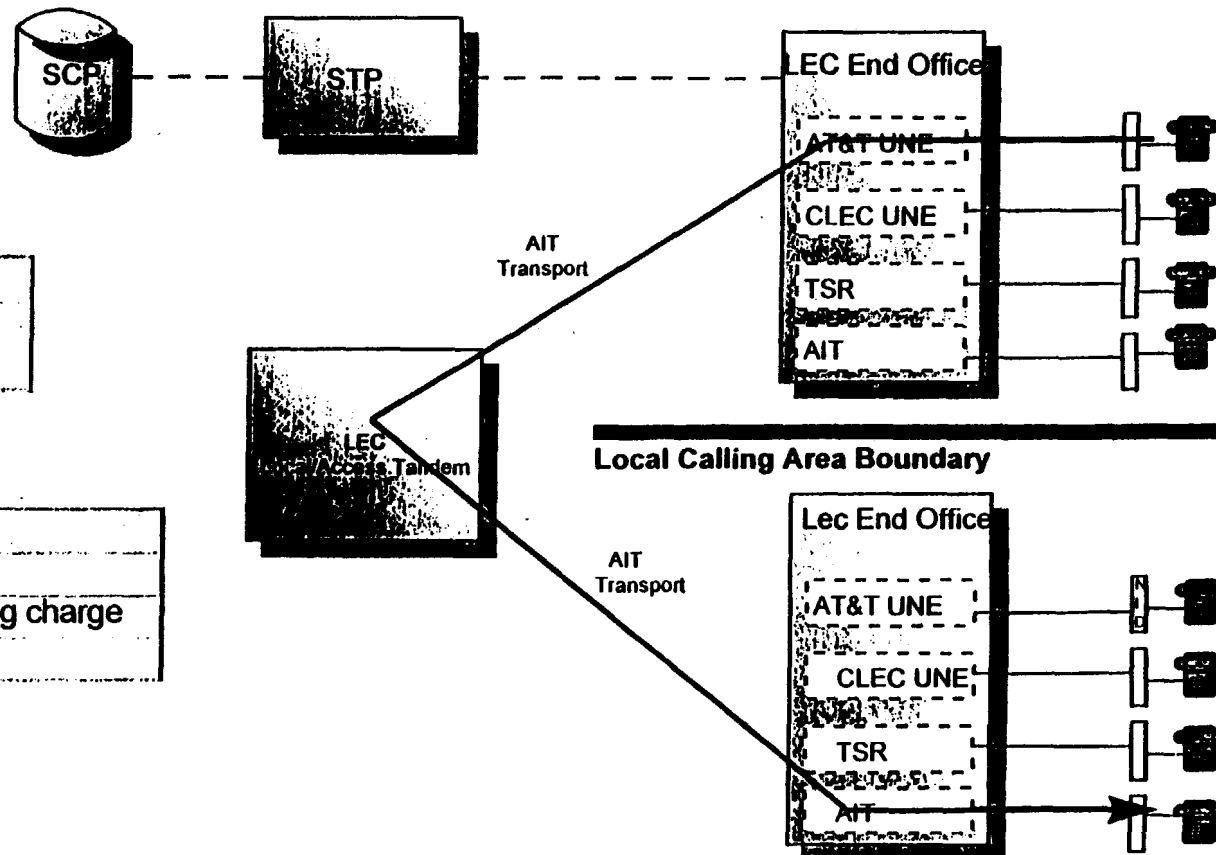
7/1/97
C. Rhodes
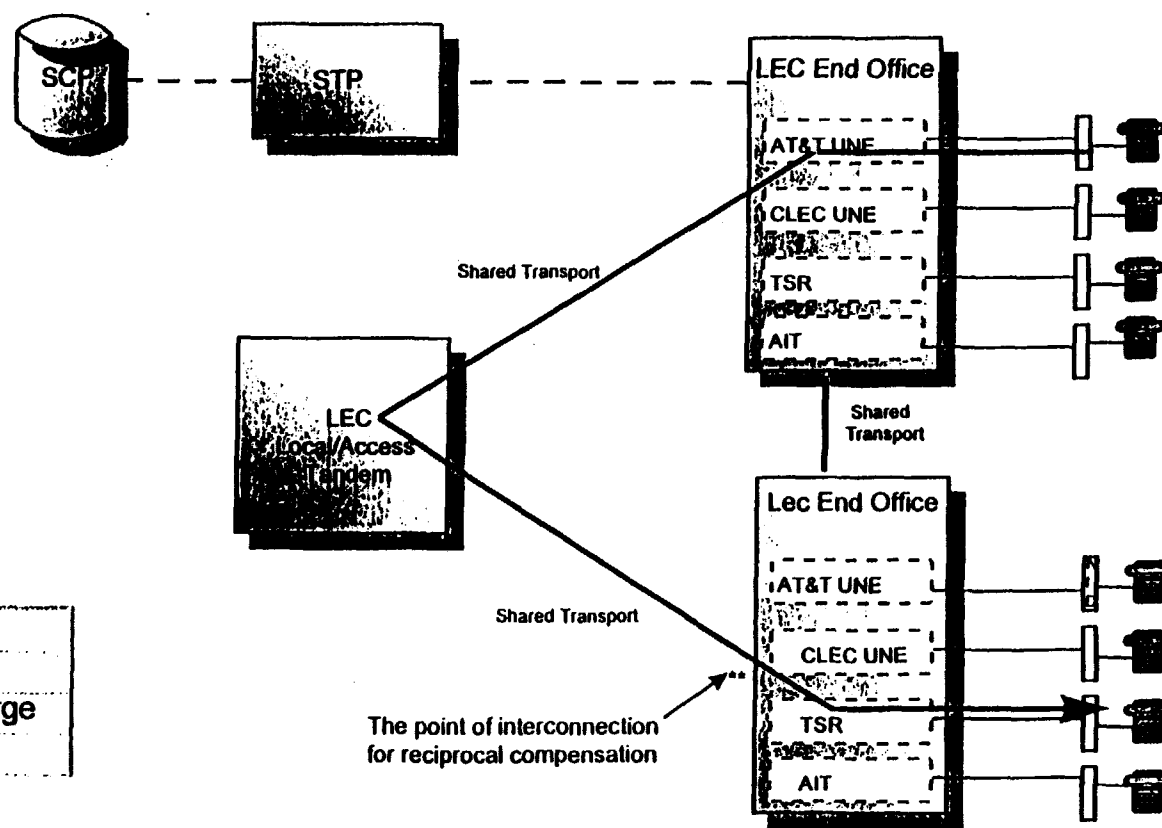
Toll Calls - IntraLATA

15. AT&T (UNE) Originating to AIT Terminating
Non 2-PIC - AIT is the IntraLATA toll provider

Recording
AIT provides customer usage to AT&T.

Intercompany Compensation
AT&T bills AIT for originating access.

UNE Billing
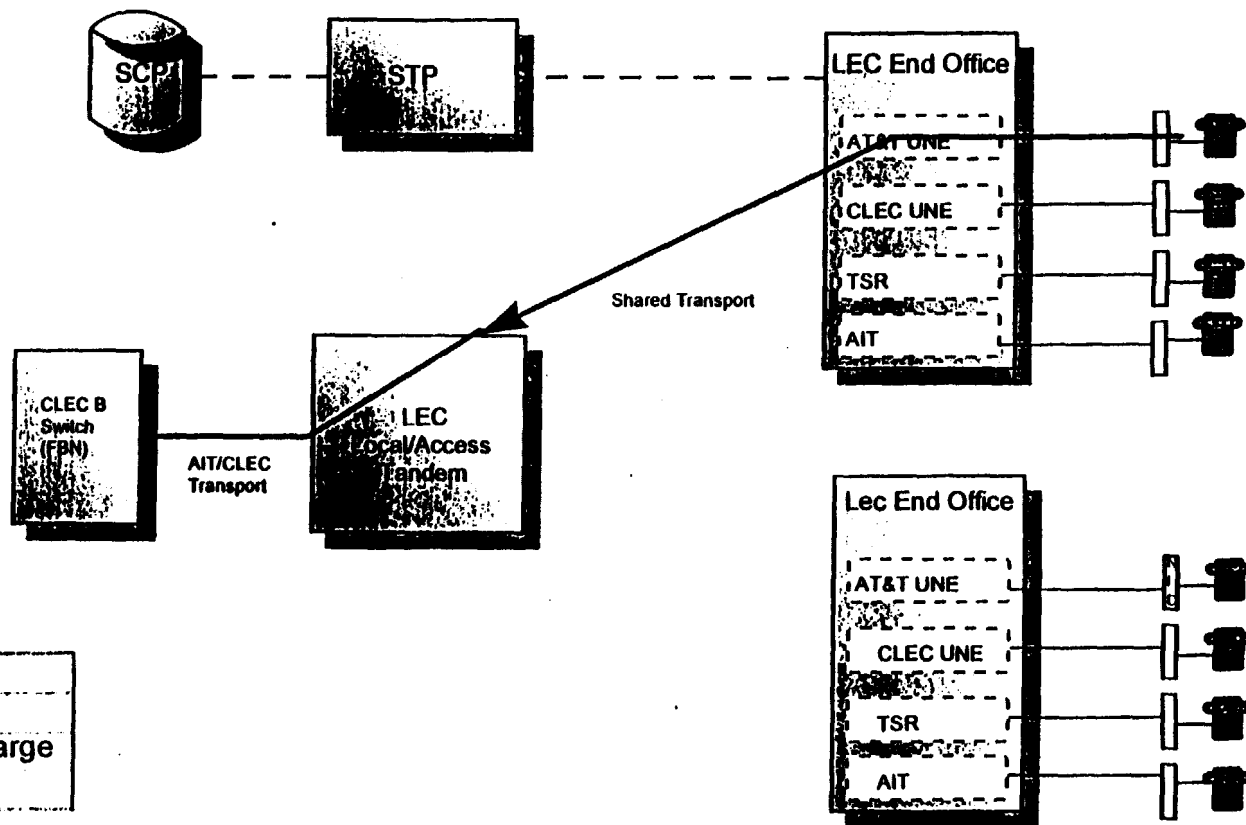AIT Bills AT&T
One Unbundled Local Switching charge

SCP

STP

LEC Access Tandem

LEC End Office
- AT&T UNE
- CLEC UNE
- TSR
- AIT

AIT Transport

Local Calling Area Boundary

Lec End Office
- AT&T UNE
- CLEC UNE
- TSR
- AIT

AIT Transport

7/1/97
C. Rhodes

Local Calls - Interswitch
13. AT&T (UNE) Originating to CLEC (FBN) Terminating

Recording
AIT provides customer usage to AT&T.

Intercompany Compensation
AIT bills AT&T for transit service. AIT provides, to CLEC B, AT&T's originating usage terminating to CLEC B's switch. CLEC B bills AT&T for reciprocal compensation per our interconnection agreement.

UNE Billing
AIT Bills AT&T
One Unbundled Local Switching charge
UNE shared transport*

SCP

STP

LEC End Office
- AT&T UNE
- CLEC UNE
- TSR
- AIT

CLEC B Switch (FBN)

AIT/CLEC Transport

LEC Local/Access Tandem

Shared Transport

Lec End Office
- AT&T UNE
- CLEC UNE
- TSR
- AIT

*Shared transport is blended direct trunked and tandem trunk arrangements with tandem switching included. This picture shows the call routed through the tandem.
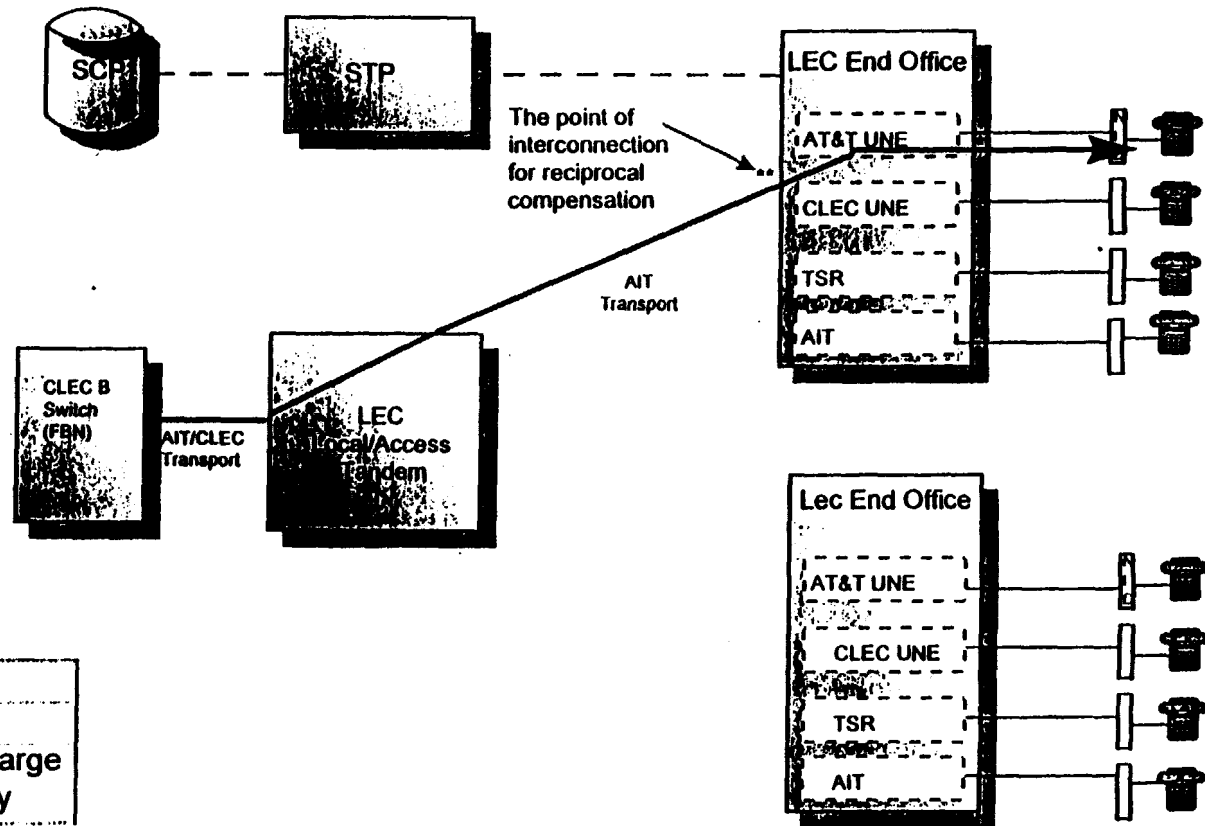
7/1/97
C. Rhodes

Local Calls - Interswitch

14. CLEC (FBN) Originating to AT&T (UNE) Terminating

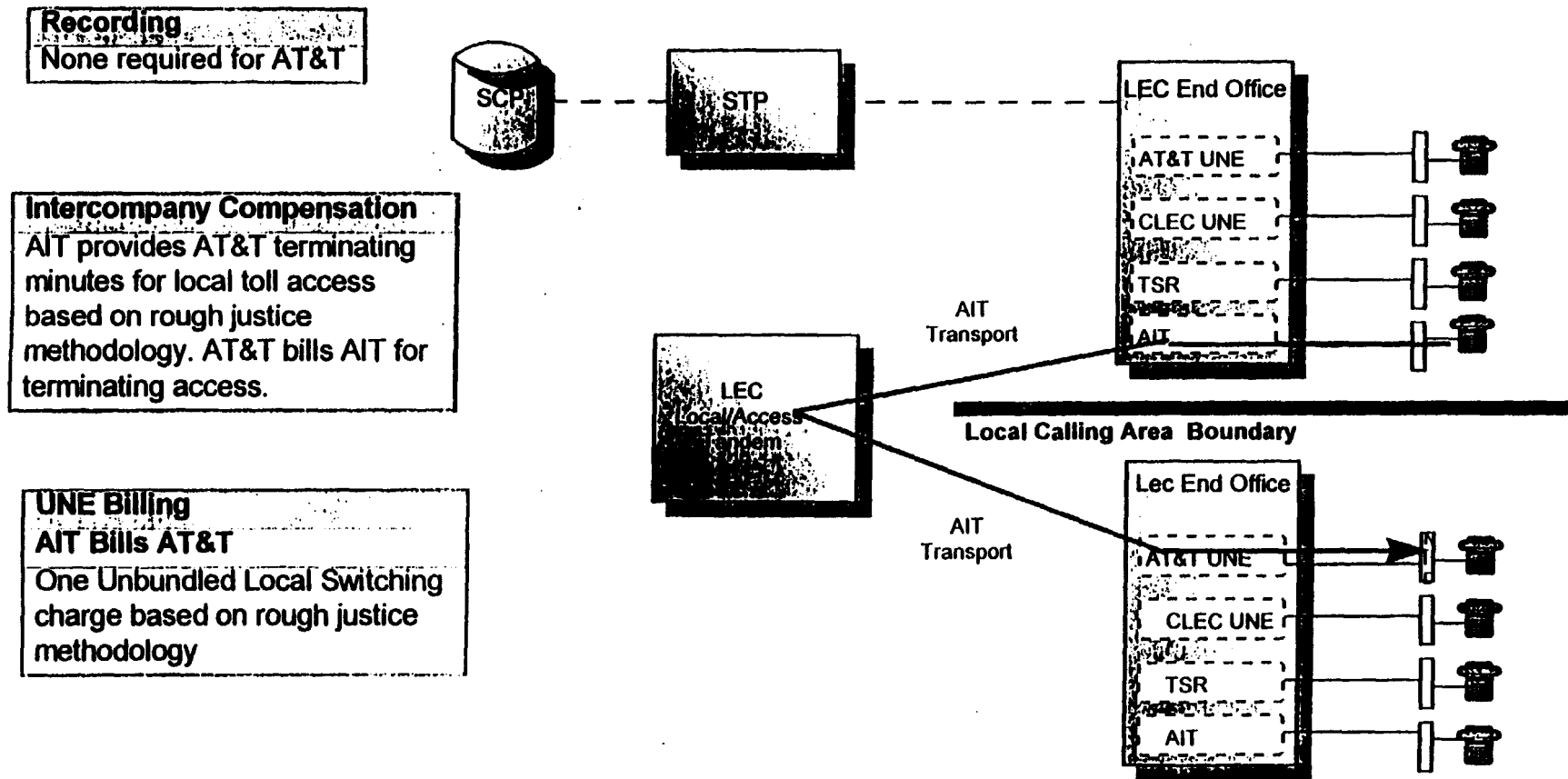**Recording**
AIT records a call at the tandem.

Intercompany Compensation
AIT bills CLEC B for tandem reciprocal compensation. AIT provides AT&T terminating minutes for reciprocal compensation based on rough justice methodology. AT&T bills AIT for end office reciprocal compensation.

UNE Billing
AIT Bills AT&T)
One Unbundled Local Switching charge based on rough justice methodology

SCP

STP

LEC End Office

The point of interconnection for reciprocal compensation

AT&T UNE

CLEC UNE

TSR

AIT

CLEC B Switch (FBN)

AIT/CLEC Transport

LEC Local/Access Tandem

AIT Transport

Lec End Office

AT&T UNE

CLEC UNE

TSR

AIT

7/1/97
C. Rhodes

Toll Calls - IntraLATA

16. AIT Originating to AT&T (UNE) Terminating

Recording
None required for AT&T

Intercompany Compensation
AIT provides AT&T terminating minutes for local toll access based on rough justice methodology. AT&T bills AIT for terminating access.

UNE Billing
AIT Bills AT&T
One Unbundled Local Switching charge based on rough justice methodology

SCP

STP

LEC End Office
- AT&T UNE
- CLEC UNE
- TSR
- AIT

AIT Transport

LEC Local Access Tandem

Local Calling Area Boundary

AIT Transport

Lec End Office
- AT&T UNE
- CLEC UNE
- TSR
- AIT

7/1/97
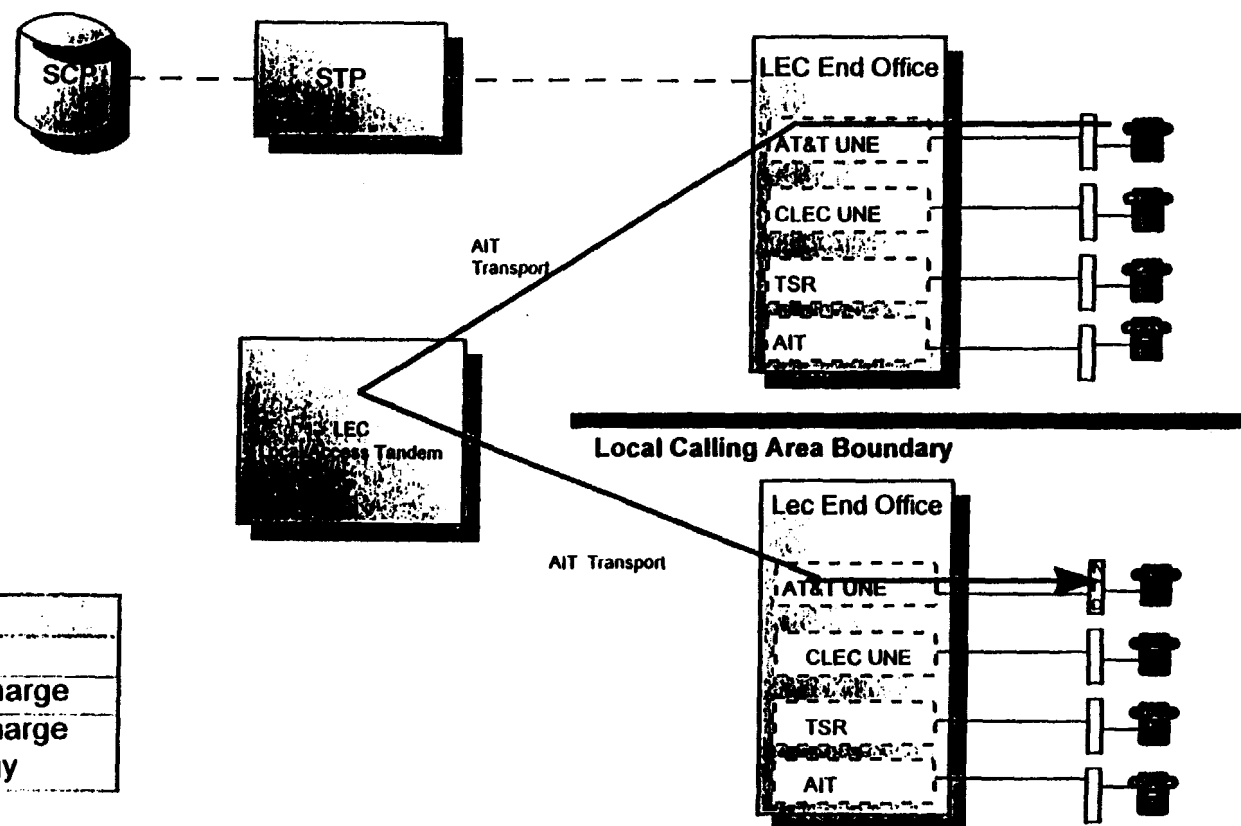C. Rhodes

Toll Calls - IntraLATA

17. AT&T (UNE) Originating to CLEC (UNE) Terminating
Non 2-PIC - AIT is the intraLATA toll provider

Recording
AIT provides customer usage to AT&T.

Intercompany Compensation
AT&T bills AIT for originating access. AIT provides CLEC (UNE) terminating minutes for local toll access based on rough justice methodology. CLEC (UNE) bills AIT for terminating access.

UNE Billing	
AIT Bills AT&T	**AIT Bills CLEC (UNE)**
One Unbundled Local Switching charge	One Unbundled Local Switching charge based on rough justice methodology, or in accordance with AIT agreement with CLEC (UNE)

SCP

STP

LEC End Office
- AT&T UNE
- CLEC UNE
- TSR
- AIT

AIT Transport

LEC Access

Local Calling Area Boundary

Lec End Office
- AT&T UNE
- CLEC UNE
- TSR
- AIT

AIT Transport

7/1/97
C. Rhodes

Toll Calls - IntraLATA

18. AT&T (UNE) Originating to AT&T (UNE) Terminating
Non 2-PIC - AIT is the intraLATA toll provider

Recording
AIT provides customer usage to AT&T.

Intercompany Compensation
AT&T bills AIT for originating access. AIT provides AT&T terminating minutes for local toll access based on rough justice methodology. AT&T bills AIT for terminating access.

UNE Billing
AIT Bills AT&T
One Unbundled Local Switching charge
One Unbundled Local Switching charge based on rough justice methodology

SCP
STP
LEC End Office
AT&T UNE
CLEC UNE
TSR
AIT

AIT Transport

LEC Access Tandem

Local Calling Area Boundary

AIT Transport

Lec End Office
AT&T UNE
CLEC UNE
TSR
AIT

7/1/97
C. Rhodes

Toll Calls - IntraLATA

19. AT&T (UNE) Originating to CLEC (FBN) Terminating
Non 2-PIC - AIT is the IntraLATA toll provider

Recording
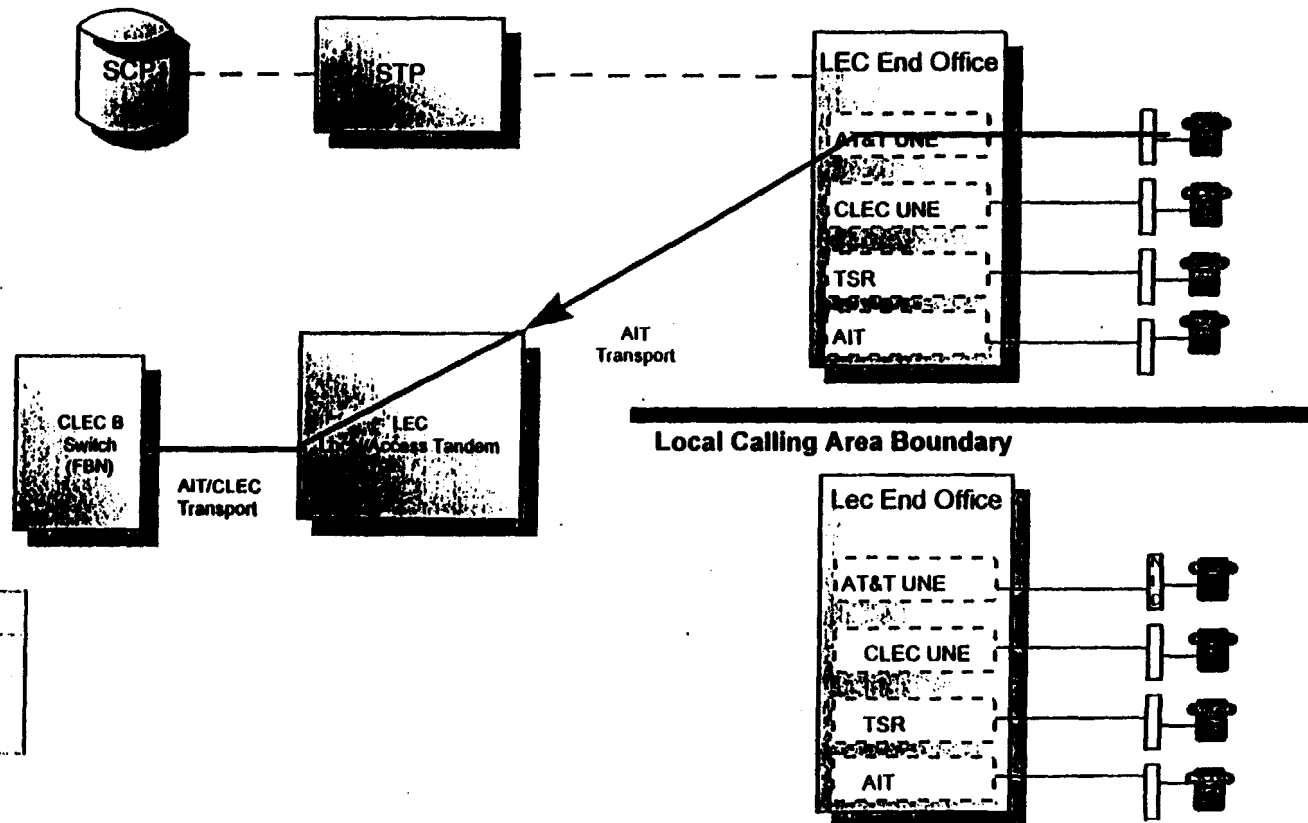AIT provides customer usage to AT&T.

Intercompany Compensation
AT&T bills AIT for originating access. CLEC B bills AIT for terminating access switching per their interconnection agreement.

UNE Billing
AIT Bills AT&T
One Unbundled Local Switching charge

SCP

STP

LEC End Office
AT&T UNE
CLEC UNE
TSR
AIT

CLEC B Switch (FBN)

AIT/CLEC Transport

LEC Access Tandem

AIT Transport

Local Calling Area Boundary

Lec End Office
AT&T UNE
CLEC UNE
TSR
AIT

7/1/97
C. Rhodes

Toll Calls - IntraLATA

20. CLEC (FBN) Originating to AT&T (UNE) Terminating
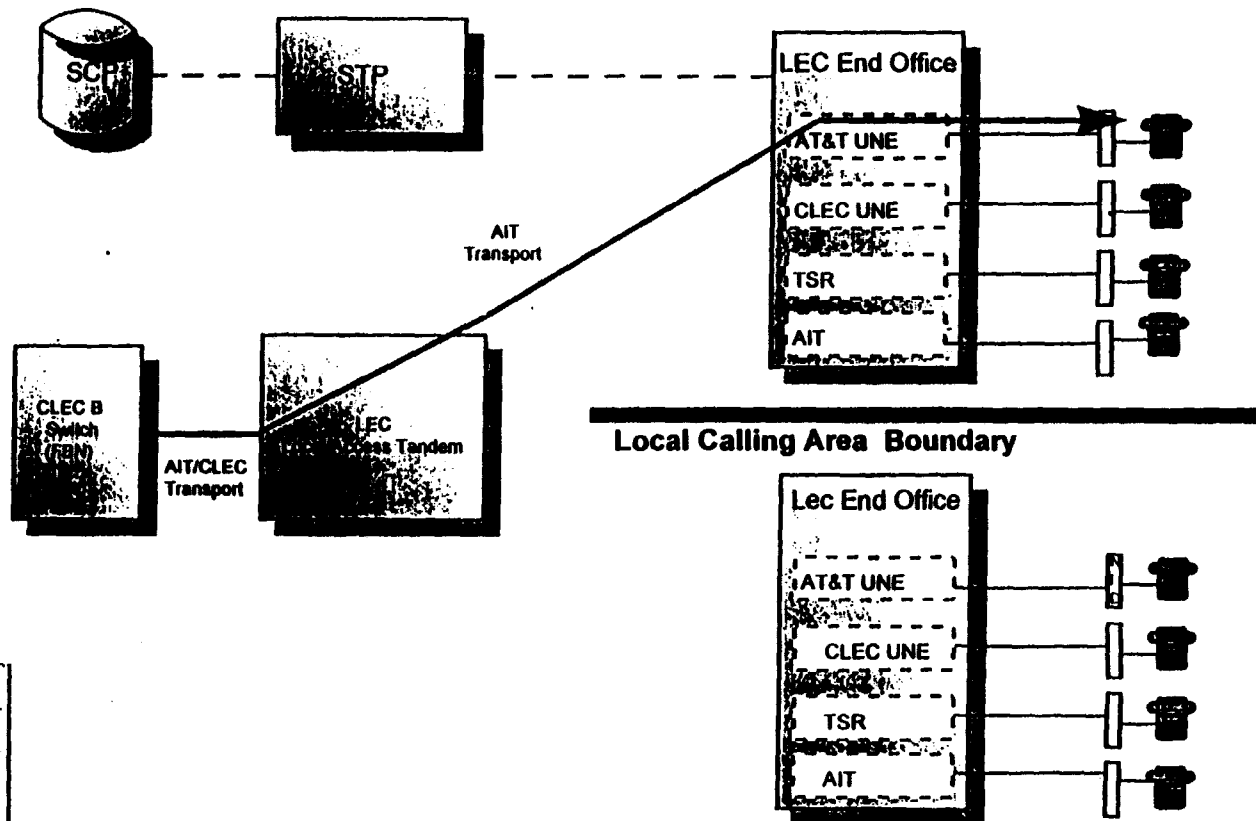
Recording
AIT records a call at the tandem.

Intercompany Compensation
AIT bills CLEC B for all terminating access. AIT provides AT&T terminating minutes for local toll access based on rough justice methodology. AT&T bills AIT for terminating access.

UNE Billing
AIT Bills AT&T
One Unbundled Local Switching charge based on rough justice methodology

SCP

STP

LEC End Office
AT&T UNE
CLEC UNE
TSR
AIT

AIT Transport

CLEC B Switch (FBN)

AIT/CLEC Transport

LEC Access Tandem

Local Calling Area Boundary

Lec End Office
AT&T UNE
CLEC UNE
TSR
AIT

7/1/97
C. Rhodes

Toll Calls to/from an IXC POP
(May be intraLATA or intrastate or interstate/interLATA)

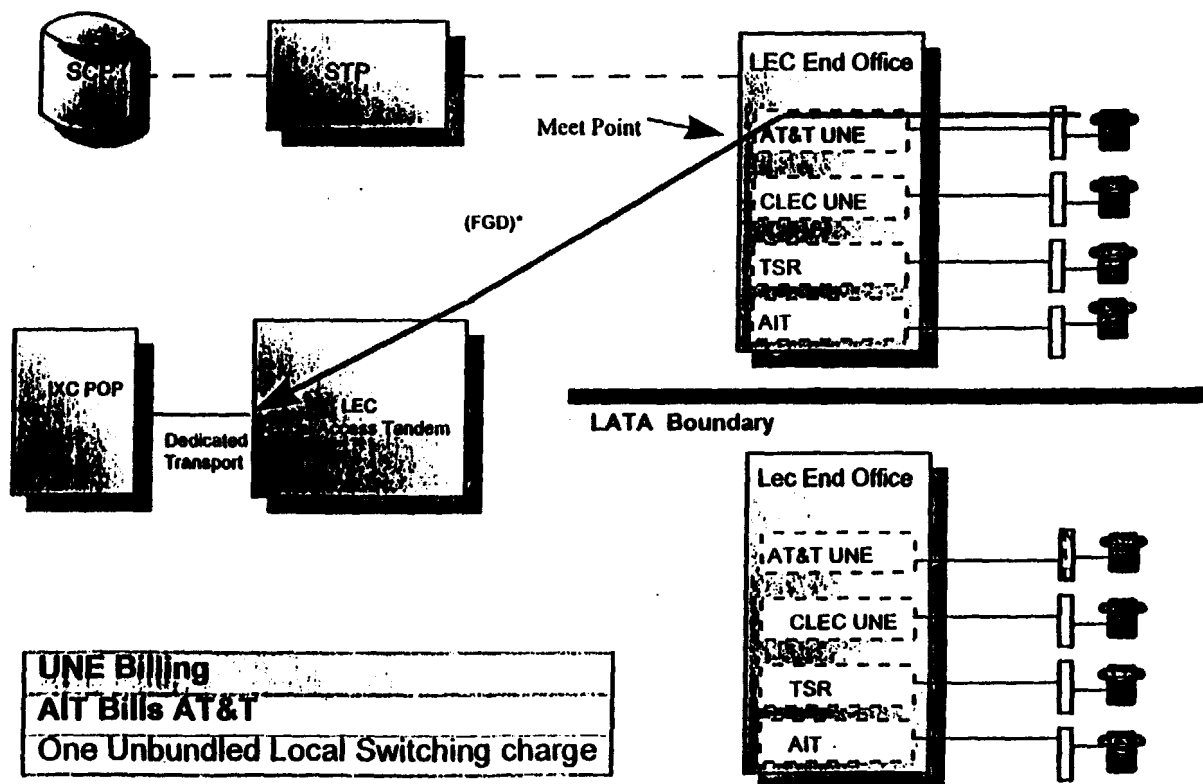### 22. AT&T (UNE) Originating to an IXC

Recording

AIT provides AT&T customer usage and originating access records including whether IXC transport is direct or common.

Intercompany Compensation

When direct transport is used, AIT bills IXC for 100% of the flat-rated access transport based on meet point rules**. When common transport is used, AIT bills the IXC for 100% of the usage-sensitive access transport, including the tandem, based on meet point rules.** AT&T bills IXC for originating switched access from the end user to the meet point.

** MECAB

SCP

STP

LEC End Office

Meet Point

AT&T UNE

CLEC UNE

(FGD)*

TSR

AIT

IXC POP

LEC Access Tandem

Dedicated Transport

LATA Boundary

Lec End Office

AT&T UNE

CLEC UNE

TSR

AIT

UNE Billing

AIT Bills AT&T

One Unbundled Local Switching charge

*Transport may be direct transport from end office to POP

7/1/97
C. Rhodes

Toll Calls to/from an IXC POP
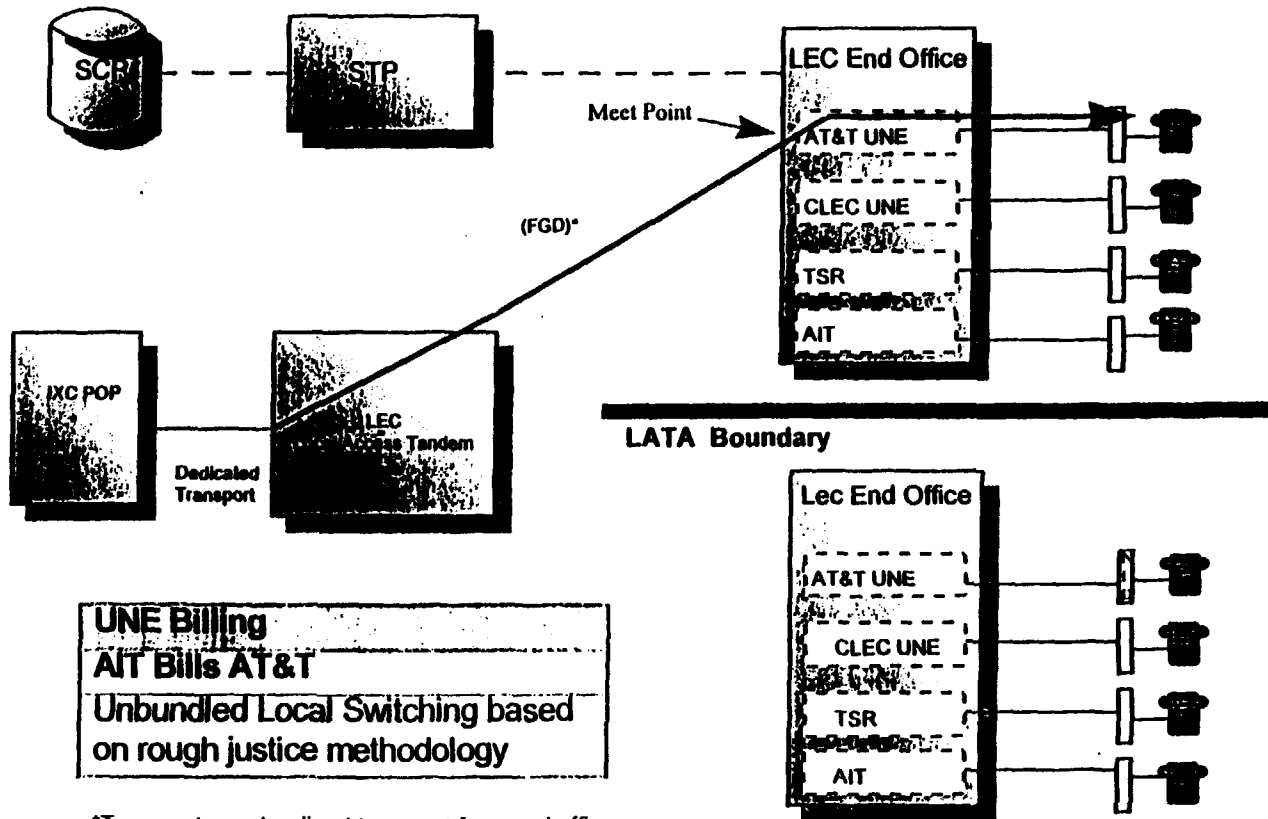## (May be intraLATA or intrastate or interstate/interLATA)

24. AT&T (UNE) Terminating from an IXC

Recording
AIT provides AT&T terminating access usage by IXC based on rough justice methodology.

Intercompany Compensation
When direct transport is used, AIT bills IXC for 100% of the flat-rated access transport based on meet point rules**. When common transport is used, AIT bills the IXC for 100% of the usage-sensitive access transport, including the tandem, based on meet point rules.** AT&T bills IXC for terminating switched access, based on rough justice factors, from the end user to the meet point.

**MECAB

SCP --- STP --- LEC End Office

Meet Point →

AT&T UNE

CLEC UNE

(FGD)*

TSR

AIT

IXC POP — LEC Access Tandem

Dedicated Transport

LATA Boundary

Lec End Office

AT&T UNE

CLEC UNE

TSR

AIT

UNE Billing
AIT Bills AT&T
Unbundled Local Switching based on rough justice methodology

*Transport may be direct transport from end office to POP

7/1/97
C. Rhodes

------ :_0_MIME_Boundary_9504.33bea052.horizonw.ci.in.ameritech.com

------ :_0_MIME_Boundary_9504.33bea052.horizonw.ci.in.ameritech.com
Content-Type: message/rfc822

Date: Sat, 5 Jul 1997 14:28:18 -0500
From: "Kent Springer   " ()
Subject: AT&T TRIAL NOTES**********
Message-Id: ("81524150707991/1549 IN-DECTSAP"@MHS)

AT&T Single Switch Trial Notes

4-17-97   Ameritech participated on a conference call with AT&T
               and the Department of Justice to discuss a trial of
               the platform in Illinois.

4-21-97   Ameritech met with AT&T to discuss details for a
               single switch trial.

4-24-97   Ameritech met with AT&T via conference call to discuss
               the scope of the trial.

4-25-97   Ameritech met with AT&T via conference call to discuss
               the scope of the trial. Ameritech and AT&T reached
               agreement upon the scope of the trial.

4-29-97   Ameritech met with AT&T to discuss the trial.

               AT&T submitted the Unbundling Customer Questionnaire.

4-30-97   Ameritech met with AT&T via conference call to discuss
               the trial.

               AT&T submitted the Unbundled Local Switching (ULS)
               Line Class Code (LCC) forms for the eight LCCs to be
               used in the trial.

5-1-97   Ameritech discussed via telephone answers to questions
               raised by AT&T in previous meetings.

5-6-97   Ameritech met with AT&T via conference call to discuss
               the trial. Ameritech provided to AT&T the eight LCCs
               to be used for the trial.

5-8-97   Ameritech met with AT&T via conference call and
               reached agreement upon the test calls to be made
               during the trial. Test call log document was
               finalized. Ameritech was ready to start the trial,
               yet AT&T could not determine when their systems would

-be able to send orders electronically.

5-12-97   AT&T notified Ameritech that they would be unable to
            send orders electronically until May 28.

5-13-97   Ameritech attended a meeting in Washington with AT&T
            and the DOJ to discuss the single switch trial as well
            as a second phase of the trial involving multiple
            switches.

5-19-97   Ameritech met with AT&T via conference call and
            mutually agreed upon the rest of the timeline for the
            single switch trial.

5-21-97   Ameritech met with AT&T; finalized single switch trial
            details and began discussion on phase 2.

5-23-97   AT&T submitted via fax five examples of the EDI
            transmissions they intended to send on May 28.

5-27-97   Ameritech met with AT&T via conference call to discuss
            the use of Line Class Codes with the platform.
            Although AT&T had completed the LCC Questionnaire for
            the trial, they required additional information on how
            the LCCs operate.

5-28-97   Ameritech reviewed the five sample EDI orders with
            AT&T and discussed five categories of errors Ameritech
            found on the samples. AT&T questioned whether to
            submit the orders to the test or production system,
            and was instructed to send the EDI orders to the
            Ameritech production system.

            AT&T informed Ameritech that the first 3 orders had
            been submitted via EDI at approximately 2:15 p.m.
            Ameritech did not receive the orders.

5-29-97   Ameritech contacted AT&T to advise that the orders
            still were not received. AT&T advised that the orders
            were actually sent at approximately 5:30 p.m. on May
            28.

            Ameritech located six interchange EDI messages at the
            GEIS mailbox which were held due to an unknown sender
            ID address.

5-30-97   Ameritech notified AT&T that the trial orders were not
            received because AT&T was using a EDI trading partner
            name that was unknown to the Ameritech system.
            Although AT&T had an established ID for their
            production system, AT&T explained that they were using

a test system which uses a different name. AT&T had failed to advise Ameritech of this new ID so the Ameritech system would not accept the orders from an unauthorized user.

Although the problem was with the sender ID AT&T was using, Ameritech devised a work-around which would allow the orders to be received. Ameritech notified AT&T that the work-around would be in place by Monday, June 2.

Ameritech met with AT&T to review the AT&T call flows for the phase 2 trial.

6-2-97	AT&T attempted again to send the three initial orders, which were not received by Ameritech. The orders were transmitted by AT&T using the incorrect network to interconnect to GEIS, which was verified by GEIS personnel. AT&T attempted to fix the problem.
6-3-97	AT&T indicated they were still working on the transmission from their end. The three orders were received by Ameritech @6:30 p.m.

AT&T notified Ameritech that they wanted to change the dataset name for the daily usage file from what they originally submitted on the questionnaire. Ameritech explained that they should resubmit the questionnaire so the the change was documented and would be implemented accurately.

6-4-97	AT&T submitted the second set of initial trial orders. Seven orders were received. One order was rejected to AT&T due to a missing Line USOC.
6-5-97	Ameritech installed the first three orders submitted by AT&T.

AT&T submitted the third set of initial trial orders. Three new orders were received as well as the re-submission of the order rejected June 4.

AT&T submitted the Unbundling Customer Questionnaire requesting a change in the daily usage file dataset name and the addition of a new EDI trading partner ID. Ameritech discovered that the new dataset name was incomplete and advised AT&T.

6-6-97	AT&T submitted a new version of the Unbundling Customer Questionnaire which contained the corrected dataset name.

Ameritech notified AT&T that several of the orders received were showing a move of the service from the 17th floor to suite 1725, which would require

Ameritech to dispatch an installer to move the
service. Ameritech explained that on a migration
order from either retail or resale to the platform,
they cannot change locations. Ameritech should have
rejected the orders to AT&T, but chose to accept them
as received from AT&T. AT&T explained that it was "an
error in record keeping" on AT&T's part, and they did
not require actual moves.

6-9-97   Ameritech installed one new line at the AT&T location
             and completed the work on the second set of orders.

             Ameritech met with AT&T via conference call to further
             review their call flows for Phase 2. During this
             meeting, Ameritech explained that a problem had been
             discovered with the AT&T request to convert the
             directory assistance calls to a 900 number.
             Specifically, the problem was the conversion from a
             10-digit DA number to the 900 number in the 5ESS
             switch. Calls to 411 and 555-1212 were converting to
             a 900 number as requested. This anomaly appeared to
             be a technical problem in the switch which Ameritech
             referred to the equipment vendor (Lucent).

             Ameritech notified AT&T that the change to the dataset
             name for the Daily Usage File had been implemented.

6-10-97   Ameritech completed the third set of orders from AT&T.

             Ameritech and AT&T began initial testing of the trial
             lines. Testing ran through Monday, June 16.

6-11-97   Ameritech met with AT&T via conference call to discuss
             the anomaly in the 5ESS switch in translating a 10
             digit number to a 900 number. AT&T indicated they
             had seen this same problem in other regions; they
             understand the limit of the 5ESS is to do a 7 digit
             translation. Ameritech advised that Lucent was still
             working on the anomaly.

6-16-97   Ameritech sent the first of the Daily Usage Files to
             AT&T.

             Ameritech met with AT&T to continue review of call
             flows for phase 2.

6-17-97   AT&T advised that the daily usage files had been
             received, but they had been sent to both the test and
             production system at AT&T. The files were causing a
             problem since the AT&T production system was not ready
             to accept the platform usage files. Ameritech
             corrected the problem for future transmissions.

             Ameritech met with AT&T via conference call to begin
             the review of the completed test logs.

Ameritech indicated that some of the orders sent by
AT&T did not match the call matrix which had been
agreed upon. Specifically: Line 1 was to have an
intralata PIC for Ameritech, order received used AT&T;
Lines 12 and 13 were to have Alltel as the intraLATA
PIC, order received used Sprint; Lines 14-20 were to
be interLATA PIC'd to Sprint, order sent in from AT&T
requested MCI.

AT&T also incorrectly ordered the toll billing
exception for prohibit collect, and prohibit third
number and collect. AT&T reversed the two codes and
what was ordered did not match the test matrix. This
error affected twelve lines.

AT&T submitted 13 change orders via EDI.

An AT&T employee made several calls to the Ameritech
Service Center over the past few days requesting
completion information on the trial orders. Ameritech
advised that order completion messages had been sent
electronically. AT&T explained that the platform
confirmations were printed to paper and placed in a
box with all of the resale confirmations and he didn't
have time to sort through them. Ameritech provided
the information verbally to AT&T.

6-18-97   Ameritech met with AT&T via conference call to
               continue review of test calls.

               Ameritech discovered that 2 of the 13 change orders
               actually requested no change, and the orders were
               rejected to AT&T.

6-19-97   Ameritech met with AT&T via conference call to
               conclude review of test calls.

               Ameritech reviewed the change orders submitted by
               AT&T. Of the 11 remaining orders, only one matched
               the original test matrix. AT&T was notified of the
               discrepancies and advised that the orders were
               completed June 19 as they were requested via the EDI
               orders.

6-24-97   Ameritech met with AT&T to review their call flows for
               the phase 2 trial and to discuss some details
               regarding phase 2.

6-27-97   Ameritech met with AT& via conference call to review
               test results of the second round of test calls.

6-30-97   Ameritech met with AT&T via conference call to discuss
               results obtained so far for phase 1. AT&T faxed an
               overview later that same day and Ameritech developed

their own version of the results summary.

7-1-97   Ameritech met with AT&T to continue discussions of the
           phase 2 call flows. Since summaries of phase 1 test
           results varied from company perspective, companies
           agreed to work together to merge the documents.

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